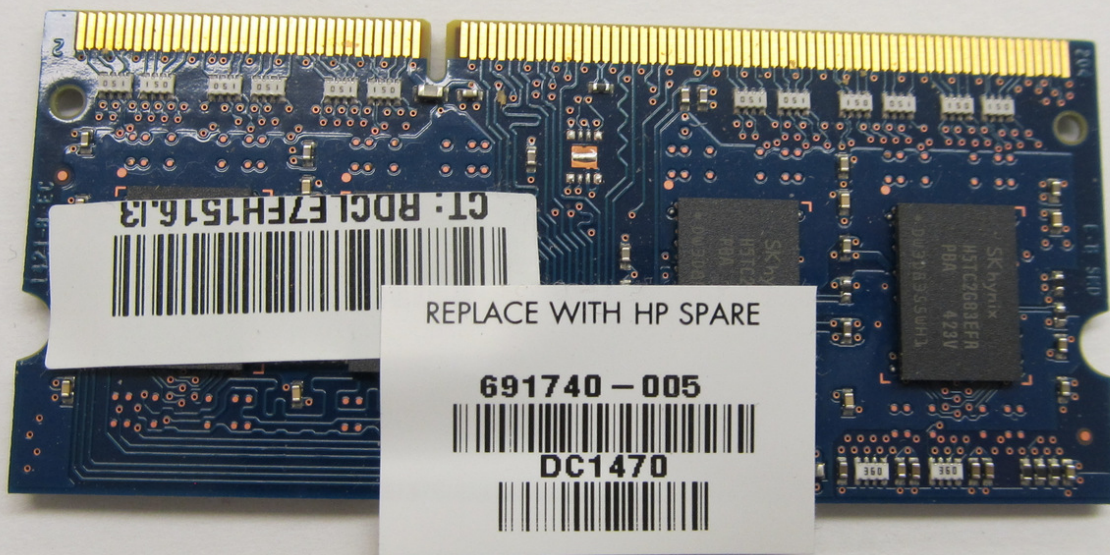




# HP Pavilion 17-f004dx RAM Replacement

This guide will show you how to replace your device's RAM module.

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## INTRODUCTION

This model's RAM is located in an unusual place, underneath the motherboard. The motherboard must first be carefully lifted before you can access the RAM.

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### TOOLS:

- [Metal Spudger](#) (1)
  - [Phillips #0 Screwdriver](#) (1)
  - [Phillips #1 Screwdriver](#) (1)
  - [iFixit Opening Tools](#) (1)
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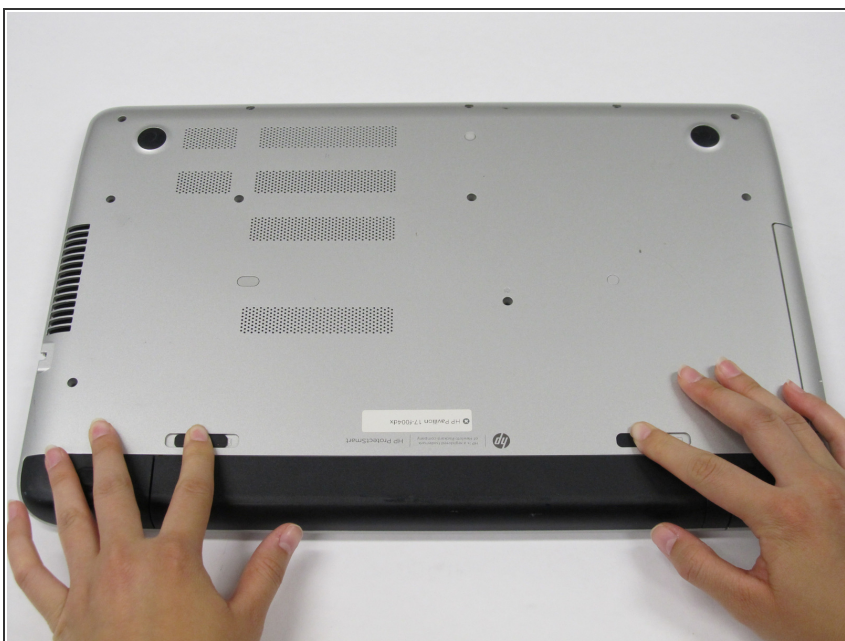
## Step 1 — Battery



 Before you remove the battery, make sure the laptop is powered off.

- Rotate the laptop so the back panel is facing up.

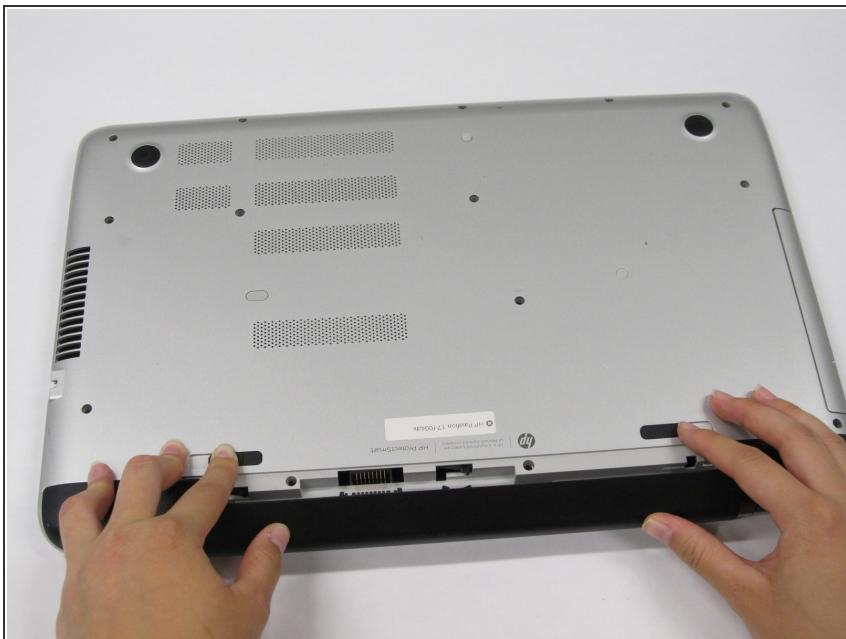
## Step 2



- Slide the black battery latches inward to remove the battery.



## Step 3



- Pull the battery out towards you while your fingers are still holding the latches in place.

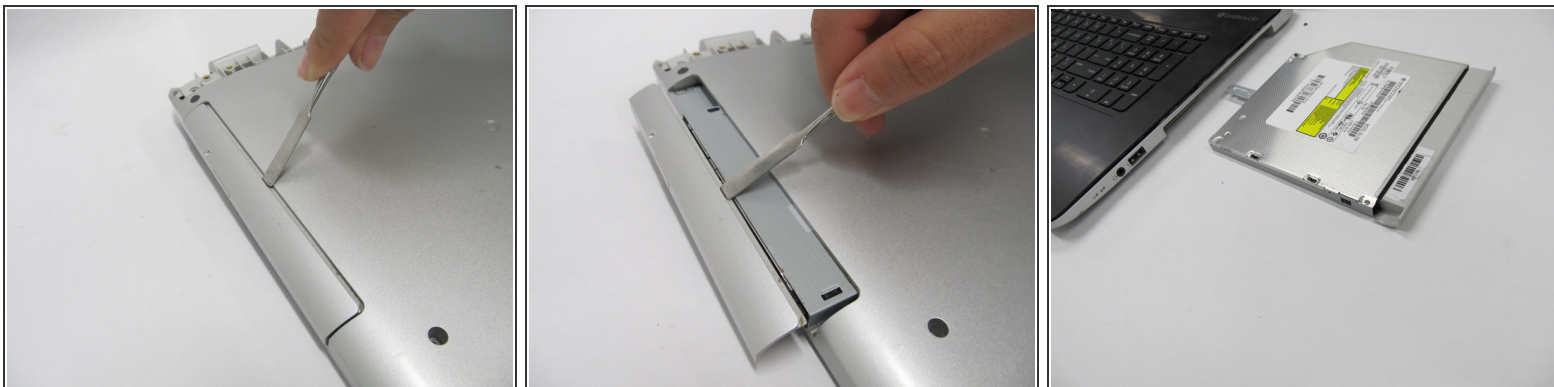
## Step 4 — CD Drive



- Remove one 7 mm screw with a Phillips 1 screwdriver.

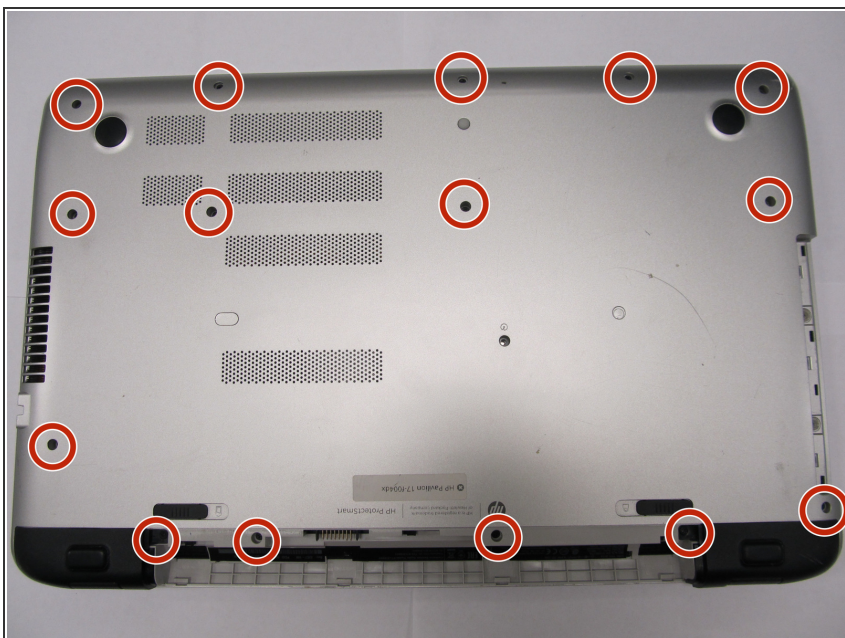


## Step 5



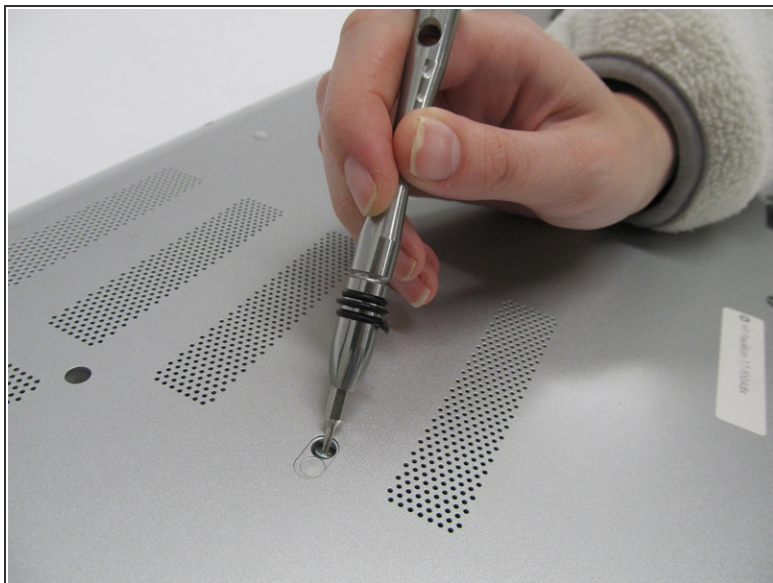
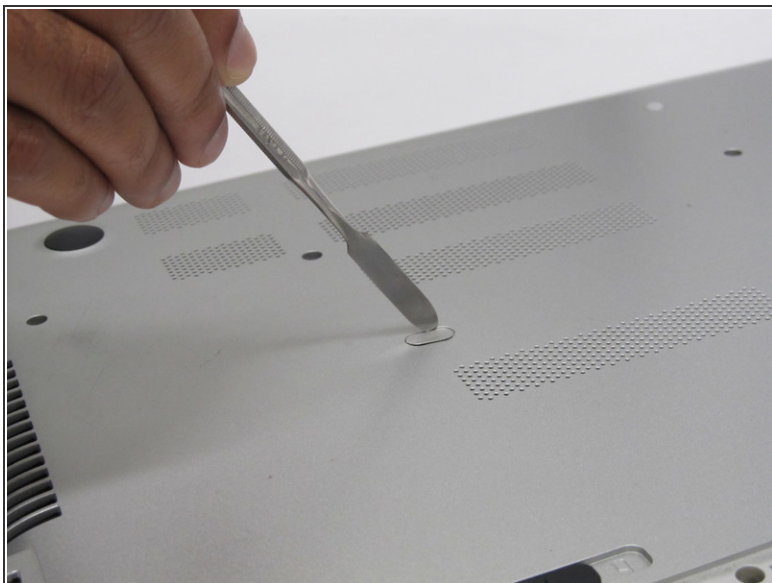
- Use a metal spudger to push the CD drive out of its slot for removal.

## Step 6 — Front Panel



- Remove fifteen 7 mm screws with a Philips 1 screwdriver.

## Step 7



- Remove the thin plastic cover using the flat metal spudger to expose another screw.
- Remove one 7 mm screw with a Phillips 0 screwdriver.

## Step 8



- Use a metal spudger to remove the rubber "feet" to expose two screws.



## Step 9



- Underneath each rubber foot, there is a screw.
- Use the Phillips 1 screwdriver to remove a 4.8 mm screw on each side.

## Step 10



- Remove the two black end caps to expose more screws.
- ⓘ The end caps will require some force to remove.



## Step 11



- Remove the following six screws with a Phillips 1 screwdriver:
  - Two 7 mm screws.
  - Two 7 mm screws.
  - Two 4.8 mm screws.

## Step 12



- Remove two 2.4 mm broadhead screws from the CD Drive bay with a Phillips 0 screwdriver,

## Step 13



- Flip the laptop back over. Then, with the laptop open, move the plastic prying tool around the top cover to pry it from the enclosure.

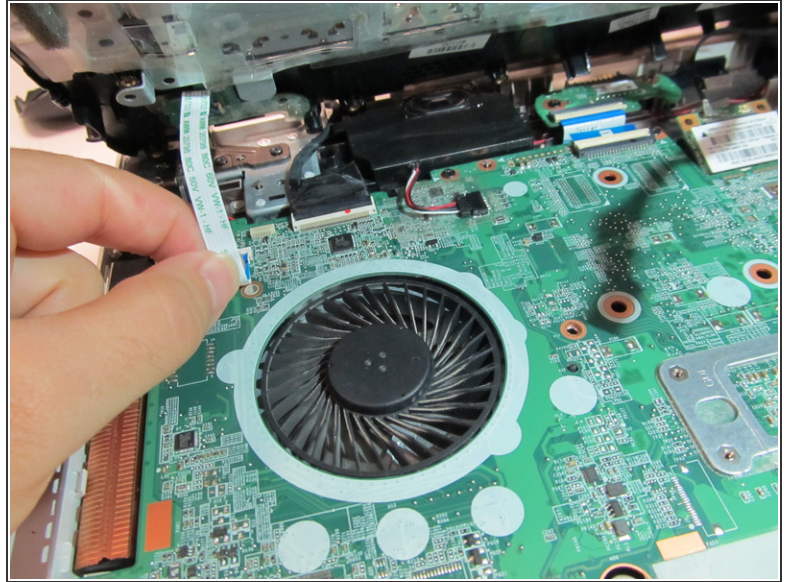
## Step 14



- Partially lift the top cover from the enclosure.

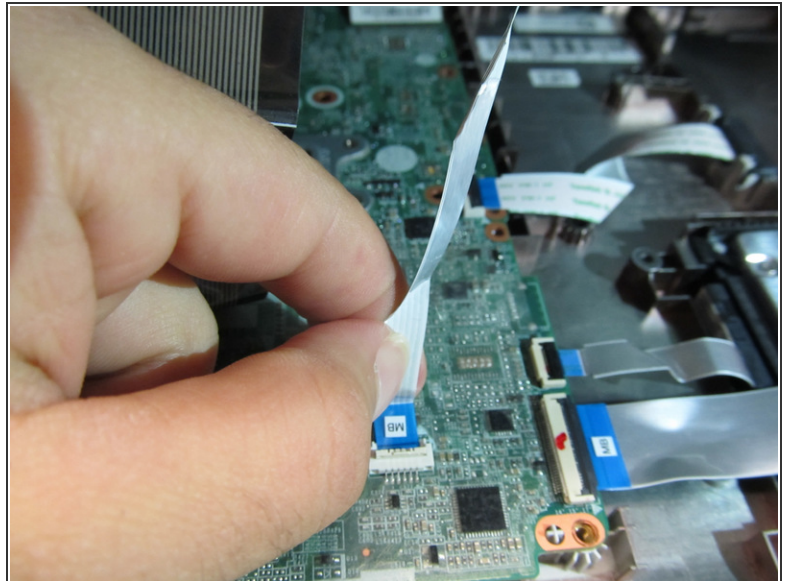


## Step 15



- Remove the ribbon connecting the power button to the motherboard.

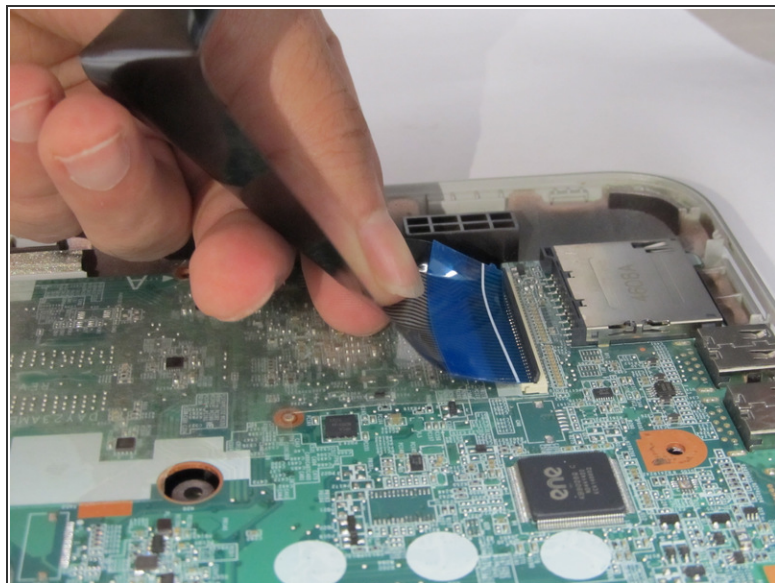
## Step 16



- Remove the ribbon connecting the mousepad to the motherboard.

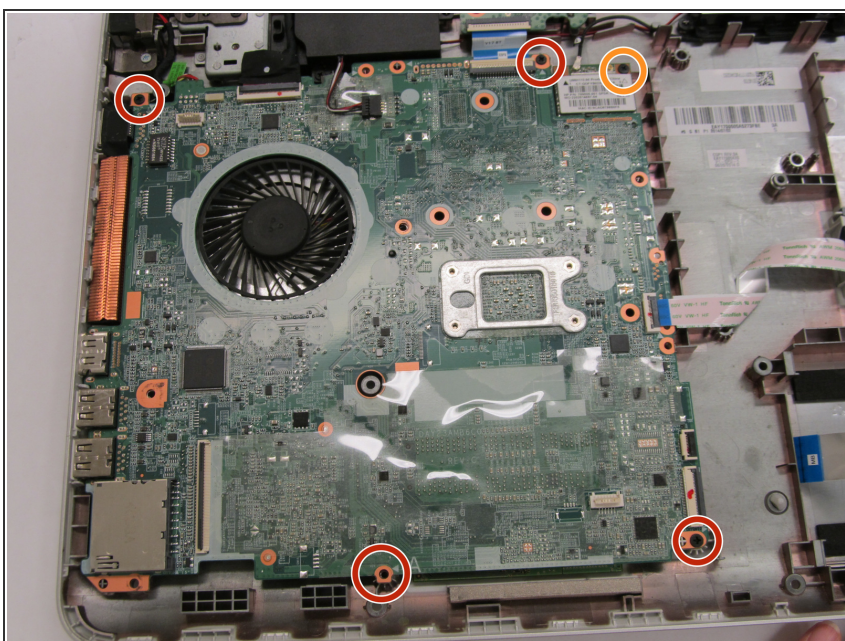


## Step 17



- Remove the ribbon connecting the keyboard to the motherboard.
- You may now fully lift the front panel from the rest of the laptop.

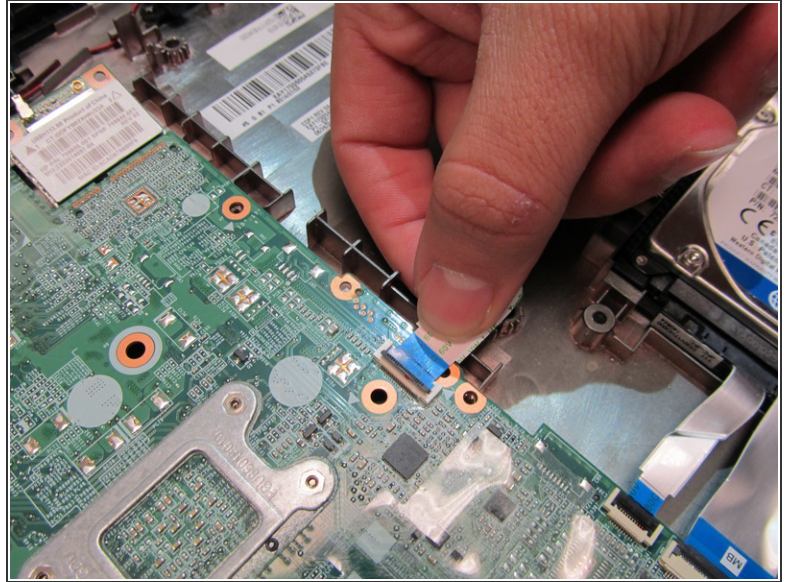
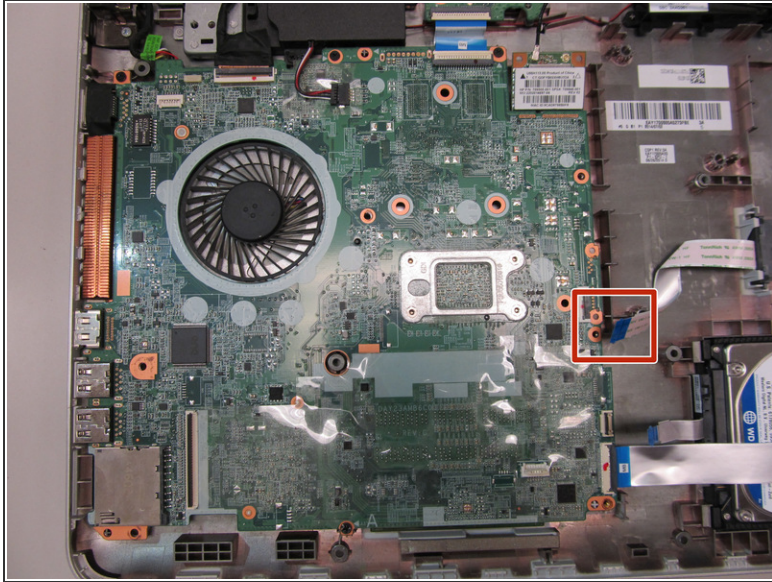
## Step 18 — RAM



- Remove four 5.6 mm screws with a Phillips 1 screwdriver.
- Remove one 3 mm screw with a Phillips 1 screwdriver.

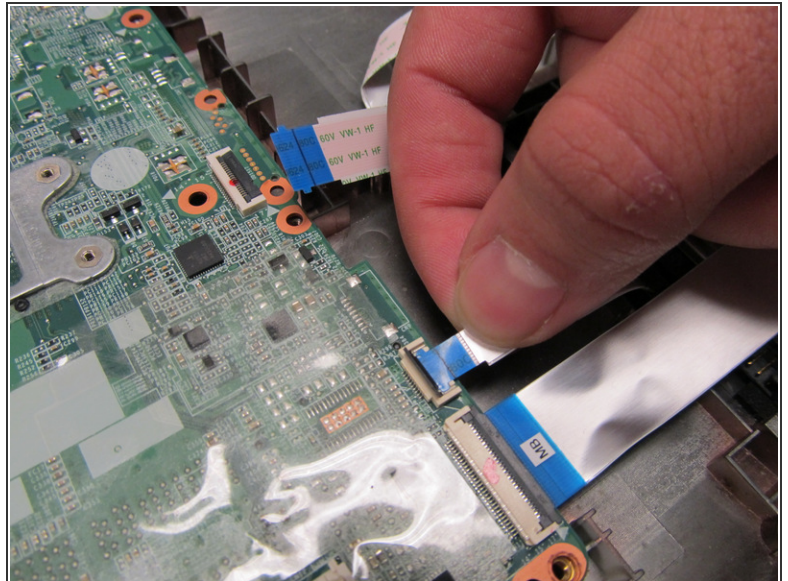


## Step 19



- Remove the ribbon connecting the optical drive bay to the motherboard.

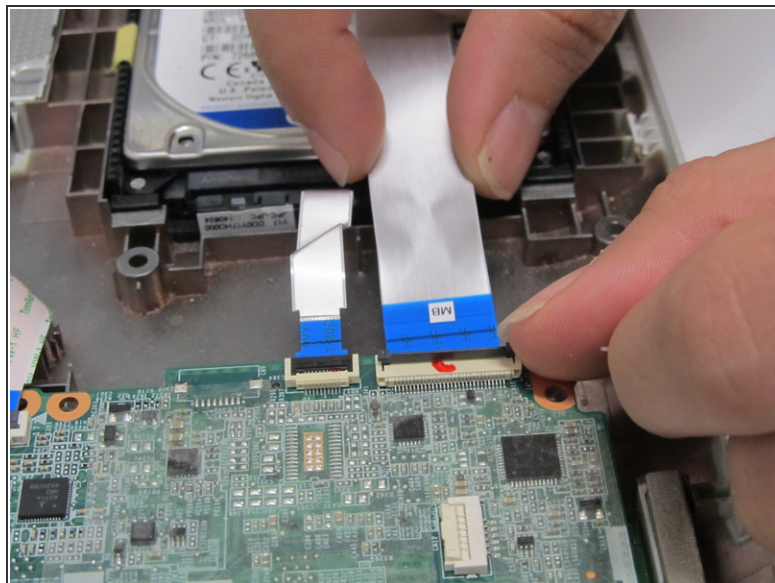
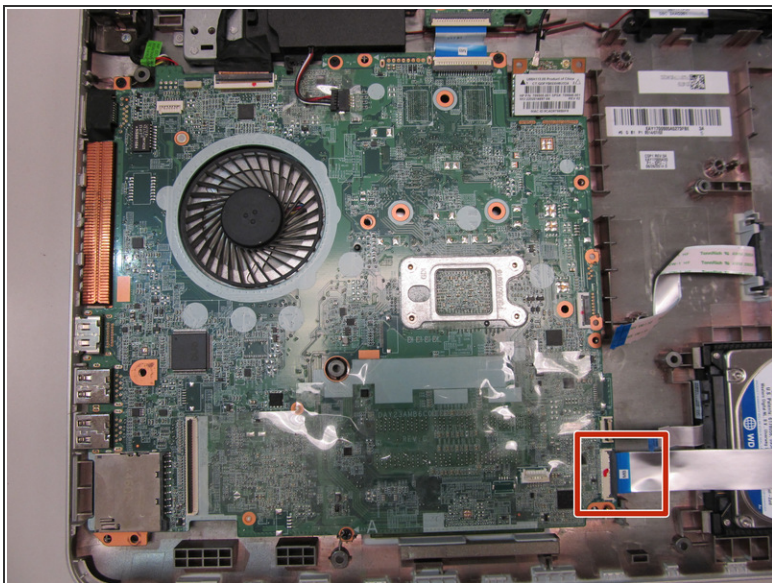
## Step 20



- Remove the ribbon connecting the hard drive to the motherboard.

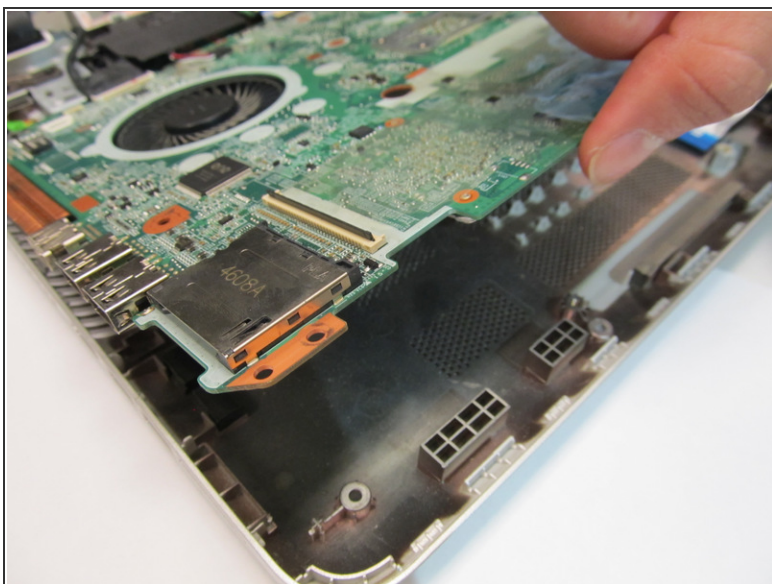


## Step 21



- Disconnect the ribbon from the motherboard that passes over the hard drive.

## Step 22

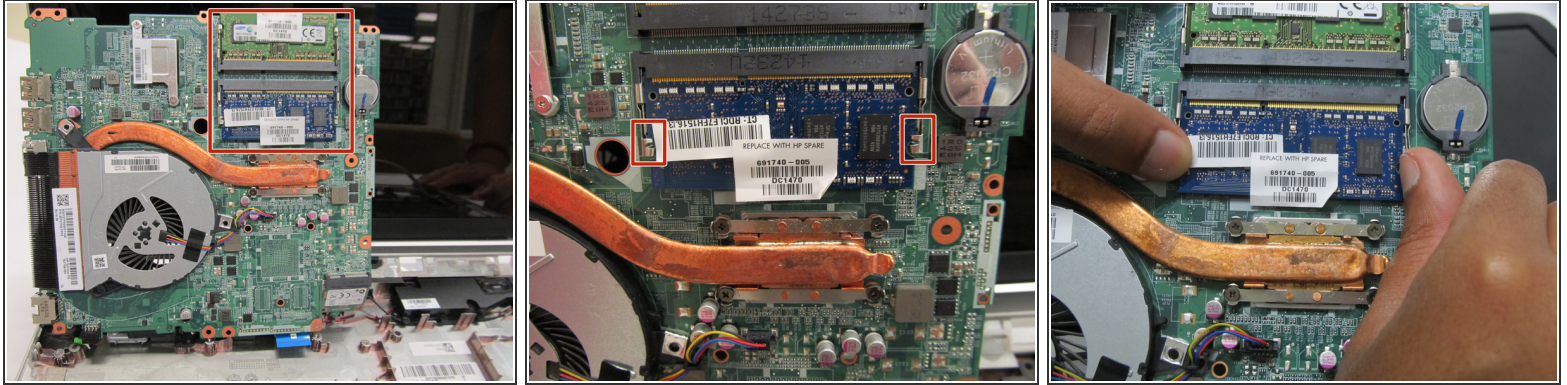


**i** There are still cables between the motherboard and the laptop.

- Carefully lift the motherboard and lean it against the screen.

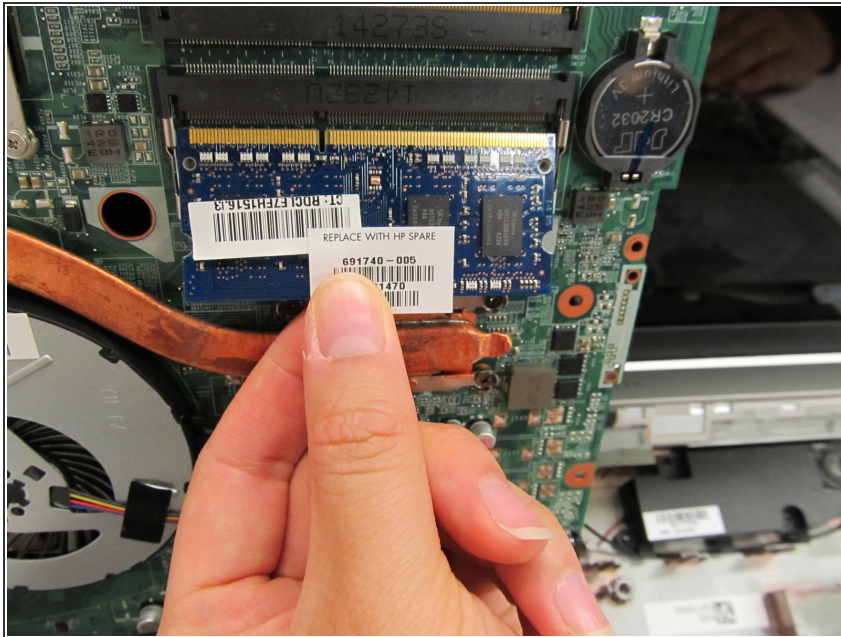


## Step 23



- The motherboard has two slots for the RAM. The process for removing each one is the same
- Pull the metal tabs away from the RAM.

## Step 24



⚠ Do not touch the circuits on the RAM. Only hold the RAM by its edges.

- Gently remove the RAM from its slot.

To reassemble your device, follow these instructions in reverse order.

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